

What is Claimed is:

1. A gum disposal unit, comprising:

a plurality of gum disposal pockets each of which comprises:

a back wall made of foldable sheet material;

5 two side wings, each having an attachment hole formed thereon, extended from a left and a right side of said back wall and folded on top of said back wall in such a manner that said two attachment holes overlaps with each other and to form a pocket body having a gum cavity which has a top receiving open, wherein a width of said gum cavity is reduced gradually from said top receiving opening to a bottom of said gum 10 cavity, and wherein said two attachment holes communicate said gum cavity with an outside of said pocket body; and

a pocket cover extended from a top side of said back wall and adapted for being folded to close said top receiving opening and cover said sealing opening; and

15 a pocket dispenser having a storing chamber for storing said gum disposal pockets therein, wherein said storing chamber communicates with an outside of said gum disposal pocket container through an opening.

20 2. A gum disposal unit, as recited in claim 1, wherein said back wall comprises a front wall layer and a back wall layer, wherein said two side wings hold said back wall in position and said gum cavity is formed between said front wall layer and said back wall layer.

3. A gum disposal unit, as recited in claim 1, wherein said gum disposal pocket further comprises a holding panel extended from a top side of said back wall and folded to cover on said pair of side wings so as to retain said pair of side wings in position.

25 4. A gum disposal unit, as recited in claim 2, wherein said gum disposal pocket further comprises a holding panel extended from a top side of said front wall layer of said

back wall and folded to cover on said pair of side wings so as to retain said pair of side wings in position.

5. A gum disposal unit, as recited in claim 3, wherein said gum disposal pocket is constructed by two layers of triangular papers which are identical and overlapped with 5 each other, wherein said triangular paper has a left corner portion, a right corner portion, a top corner portion, and a central portion defined between said left corner portion, said right corner portion and said top corner portion, wherein said pair of side wings are said left corner portions and said right corner portions respectively, and wherein said back wall is said central portions of said triangular papers.

10 6. A gum disposal unit, as recited in claim 4, wherein said gum disposal pocket is constructed by a first and a second layer of triangular papers which are identical and overlapped with each other, wherein said triangular paper has a base, a left corner portion, a right corner portion, a top corner portion, and a central portion defined between said left corner portion, said right corner portion and said top corner portion, wherein said 15 pair of side wings are said left corner portions and said right corner portions respectively, and wherein said back wall is said central portions of said triangular papers.

7. A gum disposal unit, as recited in claim 5, wherein said gum cavity of said gum disposal pocket is defined between said first layer and said second layer of said triangular papers, and said holding panel and said pocket cover are said top corner portion of said 20 two layers of triangular papers respectively, said holding panel further having a attachment hole formed thereon, wherein said three attachment holes overlappedly form a sealing opening communicating said gum cavity with outside of said pocket body.

8. A gum disposal unit, as recited in claim 6, wherein said holding panel and said pocket cover are said top corner portion of said two layers of triangular papers respectively, and said holding panel and said front wall layer of said back wall further having two attachment holes formed thereon respectively, wherein said four attachment 25 holes overlappedly form a sealing opening communicating said gum cavity with outside of said pocket body.

9. A gum disposal pocket, comprising:

30 a back wall made of foldable sheet material;

two side wings, each having an attachment hole formed thereon, extended from
a left and a right side of said back wall and folded on top of said back wall in such a
manner that said two attachment holes overlaps with each other and to form a pocket
body having a gum cavity which has a top receiving open, wherein a width of said gum
cavity is reduced gradually from said top receiving opening to a bottom of said gum
cavity, and wherein said two attachment holes communicate said gum cavity with an
outside of said pocket body; and

a pocket cover extended from a top side of said back wall and adapted for being folded to close said top receiving opening and cover said sealing opening.

10. A gum disposal pocket, as recited in claim 9, wherein said back wall comprises
a front wall layer and a back wall layer, wherein said two side wings hold said back wall
in position and said gum cavity is formed between said front wall layer and said back
wall layer.

11. A gum disposal pocket, as recited in claim 9, wherein said gum disposal pocket
15 further comprises a holding panel extended from a top side of said back wall and folded
to cover on said pair of side wings so as to retain said pair of side wings in position.

12. A gum disposal pocket, as recited in claim 10, wherein said gum disposal pocket further comprises a holding panel extended from a top side of said front wall layer of said back wall and folded to cover on said pair of side wings so as to retain said pair of side wings in position.

13. A gum disposal pocket, as recited in claim 11, wherein said gum disposal pocket is constructed by two layers of triangular papers which are identical and overlapped with each other, wherein said triangular paper has a left corner portion, a right corner portion, a top corner portion, and a central portion defined between said left corner portion, said right corner portion and said top corner portion, wherein said pair of side wings are said left corner portions and said right corner portions respectively, and wherein said back wall is said central portions of said triangular papers.

14. A gum disposal pocket, as recited in claim 12, wherein said gum disposal
pocket is constructed by a first and a second layer of triangular papers which are identical
30 and overlapped with each other, wherein said triangular paper has a base, a left corner

portion, a right corner portion, a top corner portion, and a central portion defined between said left corner portion, said right corner portion and said top corner portion, wherein said pair of side wings are said left corner portions and said right corner portions respectively, and wherein said back wall is said central portions of said triangular papers.

5 15. A gum disposal pocket, as recited in claim 13, wherein said gum cavity of said
gum disposal pocket is defined between said first layer and said second layer of said
triangular papers, and said holding panel and said pocket cover are said top corner
portion of said two layers of triangular papers respectively, said holding panel further
having a attachment hole formed thereon, wherein said three attachment holes
10 overlappedly form a sealing opening communicating said gum cavity with outside of said
pocket body.

15 16. A gum disposal pocket, as recited in claim 14, wherein said holding panel and
said pocket cover are said top corner portion of said two layers of triangular papers
respectively, and said holding panel and said front wall layer of said back wall further
having two attachment holes formed thereon respectively, wherein said four attachment
holes overlappedly form a sealing opening communicating said gum cavity with outside
of said pocket body.

20 17. A gum disposal pocket, as recited in claim 13, wherein said gum disposal
pocket is made by the steps of:

- 20 (a) providing a piece of square paper which has a predefined side length;
- (b) forming said six attachment holes onto six predefined positions of said square
paper, such that when said square paper is folded to form said gum disposal pocket, said
six attachment holes overlappedly form said sealing opening;
- 25 (c) folding said square paper diagonally into a 2-layered isosceles triangle having
the first and the second layer, wherein said isosceles triangle has a base and two equal-
length hypotenuses;
- (d) providing three folding lines on said isosceles triangle to define said left corner
portion, said right corner portion, and said top corner portion respectively, said central

portion being defined between said left corner portion, said right corner portion and said top corner portion;

(e) folding said right and left corner portions of both layers along said first and second folding lines respectively so as to form said first and second side wings and
5 overlappingly cover said central portion of said isosceles triangle;

(f) folding said top corner portion of said first layer downwardly along said third folding line so as to form said holding panel to cover said second side wing and define said receiving cavity between said first layer and said second layer of said back wall, wherein said six attachment holes on said first side wing, said second side wing, said
10 holding panel and first layer of said back wall are overlapped to form said sealing opening; and

(g) folding said top corner portion of said second layer downwardly along said third folding line so as to form said pocket cover to cover said receiving cavity and seal said gum disposal pocket.

15 18. A gum disposal pocket, as recited in claim 15, wherein said gum disposal pocket is formed by the steps of:

(a) providing a piece of square paper which has a predefined side length;

(b) forming said six attachment holes onto six predefined positions of said square paper, such that when said square paper is folded to form said gum disposal pocket, said
20 six attachment holes overlappedly form said sealing opening;

(c) folding said square paper diagonally into a 2-layered isosceles triangle having the first and the second layer, wherein said isosceles triangle has a base and two equal-length hypotenuses;

(d) providing three folding lines on said isosceles triangle to define said left corner portion, said right corner portion, and said top corner portion respectively, said central portion being defined between said left corner portion, said right corner portion and said top corner portion;
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- (e) folding said right and left corner portions of both layers along said first and second folding lines respectively so as to form said first and second side wings and overlappingly cover said central portion of said isosceles triangle;
- 5 (f) folding said top corner portion of said first layer downwardly along said third folding line so as to form said holding panel to cover said second side wing and define said receiving cavity between said first layer and said second layer of said back wall, wherein said six attachment holes on said first side wing, said second side wing, said holding panel and first layer of said back wall are overlapped to form said sealing opening; and
- 10 (g) folding said top corner portion of said second layer downwardly along said third folding line so as to form said pocket cover to cover said receiving cavity and seal said gum disposal pocket.
19. A method of making a gum disposal pocket, comprising the steps of:
- (a) providing a piece of square paper which has a predefined side length;
- 15 (b) forming six attachment holes onto six predefined positions of said square paper, such that when said square paper is folded to form said gum disposal pocket, said six attachment holes overlappedly form a sealing opening;
- (c) folding said square paper diagonally into a 2-layered isosceles triangle having a first and a second layer, wherein said isosceles triangle has a base and two equal-length hypotenuses;
- 20 (d) providing three folding lines on the isosceles triangle to define a left corner portion, a right corner portion, and a top corner portion respectively, said central portion being defined between said left corner portion, said right corner portion and said top corner portion;
- 25 (e) folding said left and right corner portions of said first and second layers along said first and second folding lines respectively so as to form a first side wing and a second side wing to overlappedly cover said central portion;

- (f) folding said top corner portion of said first layer downwardly along said third folding line so as to form said holding panel to cover said second side wing and define a receiving cavity between said first layer and said second layer of said back wall; and
- 5 (g) folding said top corner portion of said second layer downwardly along said third folding line so as to form a pocket cover adapted to cover said receiving cavity and seal said gum disposal pocket.